ABSTRACT OF THE DISCLOSURE

A pressure sensor system suitable for HVAC airflow control applications includes a simple probe tube as a part of a simple probe tube assembly of economical design located in a low turbulence, high velocity airflow area, such as the bell-mouthed flow ring surrounding a blower motor, and has low parasitic effect on the airflow. In certain aspects of the invention the simple probe tube assembly is connected to one side of an economical differential pressure sensor transducer which can be used to monitor airflow, either directly, or in conjunction with other data, in order to control the airflow of the HVAC application. The pressure sensor system is easily retrofitted to existing HVAC applications and does not cause significant airflow restriction as may result from pitot tube or orifice plate measuring devices.